

WHAT IS CLAIMED IS:

- an absolute position determiner for determining an absolute position of

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after the absolute position determiner detects the subject being at the limit of the movement range, the reference point for determination of the relative position determiner is established at the limit of the movement range of the subject, and the position determining device determines the position of the subject in accordance with data outputted from the relative position determiner.

- the relative position determiner comprises an incremental rotary encoder and a counter for counting encode pulses outputted from the rotary encoder; and
the absolute position determiner comprises a potentiometer.

6. The position determining device as defined in claim 4, wherein the subject is a control member of a lens control unit for controlling at least one of focus and zoom of a TV lens electrically.

- a relative position determiner for determining a relative moving amount of the subject with respect to a reference point;

a storage device for previously storing standard output data of the

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8. The position determining device as defined in claim 7, wherein, upon being turned on, the position determining device obtains a plurality of pieces of the data outputted from the absolute position determiner and data outputted from the relative position determiner to judge reliability of the obtained data outputted from the absolute position determiner.
9. The position determining device as defined in claim 7, wherein:
the relative position determiner comprises an incremental rotary encoder and a counter for counting encode pulses outputted from the rotary encoder; and
the absolute position determiner comprises a potentiometer.
10. The position determining device as defined in claim 7, wherein the subject is a control member of a lens control unit for controlling at least one of focus and ~~zoom~~ of a TV lens electrically.